

IN THE CLAIMS

The claims are amended as follows:

1.-48. (cancelled).

49. (currently amended) An electrical cable comprising:

a plurality of electrical conductors bonded to respective neighboring ones of said electrical conductors to form a ribbon, said electrical conductors being electrically insulated from said respective neighboring ones, a subset of said electrical conductors being electrically coupled to one another,

said ribbon being folded to form cable assembly, each of said electrical conductors traversing the width of said cable assembly at least twice[.];

wherein said subset of said electrical conductors is electrically coupled at a first end of said cable assembly to produce a first coupled subset leaving an uncoupled remainder of said electrical conductors, and said uncoupled remainder of said electrical conductors is electrically coupled at a second end of said cable assembly to produce a second coupled subset; and

members of said first coupled subset have different respective lengths, and members of said second coupled subset have lengths in correspondence with said different respective lengths of said members of said first coupled subset.

50. (original) The electrical cable of claim 49 wherein said electrical conductors do not describe spirals around said cable assembly.

51. (original) The electrical cable of claim 49 wherein said act of folding said ribbon comprises bending said ribbon to form a corner.

52. (original) The electrical cable of claim 49, said cable assembly being folded lengthwise.

53. (original) The electrical cable of claim 49 further comprising a bonding layer disposed on said ribbon, said bonding layer being optionally electrically insulating.

54. (original) The electrical cable of claim 49 further comprising a cable substrate, said plurality of electrical conductors being bonded to said cable substrate.

55. (original) The electrical cable of claim 54 wherein said cable substrate is electrically insulating.

56. (original) The electrical cable of claim 54 wherein said plurality of electrical conductors are spaced apart from said respective neighboring ones.

57. (original) The electrical cable of claim 54 wherein each of said plurality of electrical conductors has a non-rectangular cross section.

58. (canceled)

59. (currently amended) The electrical cable of claim [58] 1 wherein said first end and said second end are at opposite ends of said cable assembly.

60. (canceled)

61. (currently amended) The electrical cable of claim [58] 1 further comprising a first insulating gap at a first gap location along the length of said first coupled subset.

62. (original) The electrical cable of claim 61 further comprising a second insulating gap at a second gap location along the length of said second coupled subset.

63. (original) The electrical cable of claim 54 wherein plurality of electrical conductors are bonded to opposite faces of said cable substrate.

64. (original) The electrical cable of claim 54 wherein said electrical conductors are disposed on an outer surface of said cable assembly.

65. (original) The electrical cable of claim 54 further comprising an insulating strip, said ribbon being folded around said insulating strip.

66. (original) The electrical cable of claim 54 wherein said plurality of electrical conductors form diagonal patterns.

67. (original) The electrical cable of claim 66 wherein:
said diagonal patterns are formed on opposite faces of said cable substrate,
opposite face pairs of said electrical conductors being electrically coupled at edges
of said cable substrate.

68. (original) The electrical cable of claim 66 wherein:
said diagonal patterns are formed on opposite faces of said cable substrate,
said opposite faces of said cable substrate and said electrical conductors having
coupling holes therethrough,
opposite face pairs of said electrical conductors being electrically coupled through
said coupling holes.

69. (original) The electrical cable of claim 54 wherein said plurality of electrical conductors comprise an electrically conducting ink.

70. (currently amended) An electrical cable comprising:
a cable substrate; and
a plurality of electrical conductors bonded to said cable substrate and being spaced apart from neighboring ones of said electrical conductors to form a ribbon, said electrical conductors being electrically insulated from said respective neighboring ones, a subset of said electrical conductors being electrically coupled to one another,
said ribbon being folded to form cable assembly, each of said electrical conductors traversing the width of said cable assembly at least twice[.];
wherein said subset of said electrical conductors is electrically coupled at a first end of said cable assembly to produce a first coupled subset leaving an uncoupled remainder of said electrical conductors, and said uncoupled remainder of said electrical conductors is electrically coupled at a second end of said cable assembly to produce a second coupled subset; and
wherein members of said first coupled subset have different respective lengths, and members of said second coupled subset have lengths in correspondence with said different respective lengths of said members of said first coupled subset.

71. (original) The electrical cable of claim 70 wherein said electrical conductors do not describe spirals around said cable assembly.

72. (original) The electrical cable of claim 70 wherein said act of folding said ribbon comprises bending said ribbon to form a corner.

73. (original) The electrical cable of claim 70 , said cable assembly being folded lengthwise.

74. (original) The electrical cable of claim 70 further comprising a bonding layer disposed on said ribbon, said bonding layer being optionally electrically insulating.

75. (original) The electrical cable of claim 70 wherein said cable substrate is electrically insulating.

76. (original) The electrical cable of claim 70 wherein each of said plurality of electrical conductors has a non-rectangular cross section.

77. (canceled)

78. (currently amended) The electrical cable of claim [77] 70 wherein said first end and said second end are at opposite ends of said cable assembly.

79. (canceled)

80. (original) The electrical cable of claim [77] 70 further comprising a first insulating gap at a first gap location along the length of said first coupled subset.

81. (original) The electrical cable of claim 80 further comprising a second insulating gap at a second gap location along the length of said second coupled subset.

82. (original) The electrical cable of claim 70 wherein plurality of electrical conductors are bonded to opposite faces of said cable substrate.

83. (original) The electrical cable of claim 70 wherein said electrical conductors are disposed on an outer surface of said cable assembly.

84. (original) The electrical cable of claim 70 further comprising an insulating strip, said ribbon being folded around said insulating strip.

85. (original) The electrical cable of claim 70 wherein said plurality of electrical conductors form diagonal patterns.

86. (original) The electrical cable of claim 85 wherein:
said diagonal patterns are formed on opposite faces of said cable substrate,
opposite face pairs of said electrical conductors being electrically coupled at edges
of said cable substrate.

87. (original) The electrical cable of claim 85 wherein:
said diagonal patterns are formed on opposite faces of said cable substrate,
said opposite faces of said cable substrate and said electrical conductors having
coupling holes therethrough,
opposite face pairs of said electrical conductors being electrically coupled through
said coupling holes.

88. (original) The electrical cable of claim 70 wherein said plurality of electrical conductors comprise an electrically conducting ink.